

## **Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-6. (Canceled)

7. (Currently Amended) A method comprising:

encoding a software module to reserve memory space that allows a network software memory program to bypass a central processing unit to access the memory space when just-in-time (JIT) application code is received in a managed runtime environment (MRTE), the network software memory program operating according to a remote direct memory access protocol.

8. (Canceled)

9. (Original) The method of claim 7 wherein said encoding the software module comprises programming a managed runtime environment to recognize memory space that is accessible by a remote direct memory program

10. (Original) A computer-readable medium having stored thereon at least one instruction that, when executed by a computer, causes the computer to perform:

encoding of a managed run time environment to reserve memory space for direct access by a remote direct memory program for just-in-time application code.

11. (Original) The computer-readable medium of claim 10 wherein the managed runtime environment reserves memory space for direct access by a network software program.

12. (Original) The computer-readable medium of claim 10 wherein the computer-readable medium comprises a storage medium comprising an instruction set configured to provide communication between the managed runtime environment and the remote direct memory program.

13. (Currently Amended) A system comprising:

- a processor;
- a memory coupled to the processor to support the processor operations;
- a network interface controller interoperating with the processor and the memory for network communications with at least another processor and another network interface controller;
- a network library accessible by the processor that provides remote direct memory access capabilities;
- a garbage collector to monitor memory usage by at least the processor; and

a storage medium encoded to create a software development environment to reserve memory space for direct access by a remote direct memory program for just-in-time (JIT) application code.

14. (Original) The system of claim 13 wherein the storage medium comprises a software module encoded to reserve memory space for direct access by a network software memory program.

15-19. (Canceled)